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PROGRESS REPORT

ERTS-A PROPOSAL NAS 5-21724

1 July 1972

E72-10002
CR-127557

Principal Investigator-Ernest G. Stoeckeler

GSFC ID ST350 Detection and Monitoring Vegetation Damage

Associated With Highways and Highway Facilities.

Problems

1. A U-2 preflight made on 27 April 1972 was partially successful. In a telephone conversation with the pilot this investigator was informed that approximately 150 linear miles of photography was obtained in the southwestern part of Maine. The scheduled mission over Central Maine was aborted because of an overcast.

2. None of the photography obtained during the 27 April flight has been forwarded to date.

3. A second U-2 preflight scheduled for the latter part of May was cancelled because of sky conditions.

4. Arrangements were made with a local aerial photography concern to obtain 70 mm color and color infrared photography at a scale of 1:80,000. Twelve 15-mile flight lines located along the scheduled U-2 corridor were planned. This flight was also canceled because of inclement weather.

Accomplishments

1. The locations of all Maine State Highway Commission's maintenance lots have been accurately pinpointed on standard 15' USGS topo sheets. These lots will be prime study areas for potential vegetation damage sites.

2. Seven State Highway geologists stationed in various parts of the State have been briefed on obtaining ground truth information at times when future underflight and/or satellite coverages are expected.

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(E72-10002) DETECTION AND MONITORING
VEGETATION DAMAGE ASSOCIATED WITH HIGHWAYS
AND HIGHWAY FACILITIES Progress E.G.
Stoeckeler (Maine Dept. of Transportation,
Augusta.) 1 Jul. 1972 2 p CSCL 08M G3/13 00002

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Planned for Next Period

1. A third U-2 preflight mission is scheduled for the first week in July just prior to launch date. Necessary prelaunch preparation have been accomplished. The analysis of imagery will be initiated immediately upon receipt.

General

Comments relating to Item 3, e to k inclusive are not applicable at this time.